

Abstract

Herbs have a wide range of Antioxidant, kidney is a metabolic organ in the body, which plays a role in trapping and refining poison. The combination of antioxidants with herbal sources has useful effect on liver function. In this survey, the protective effect of *Prosopis Farcta* seed Hydro-alcoholic extract against a cute Hepatotoxicity resulted from Thioacetamide in rat was studied.

In this study, 40 male rats were divided to 4 groups with 10 members in each group. The first group, received the physiology serum orally. The second group, received the Thioacetamid injection with 50 mg/kg dosage at an interval of 24 hours in IP form and after passing 3 days of last injection, they received the physiology serum in IP form. Like the second group, the third group was poisoned and received hydro-alcoholic extract, after extraction and purification with 200 mg/kg for 3 weeks.

Serum BUN and serum creatinine were measured after blood sampling and serum separation. In addition, after the aeration with ether, a portion of the kidney was also sampled to observe tissue changes.

Keywords: kidney, *Prosopis farcta*, thioacetamide, rat



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**The Protective Effects of *Prosopis farcta Seed* Extract on
Thioacetamide-Induced Acute Renal toxicity and
Histopathology in Rat**

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